FosterFest!

Ian Shipsey FRS Henry Moseley Centenary Professor & Head Oxford Physics



FosterFest!

Brian Foster OBE FRS HonFInstP

Donald H Perkins Professor of Experimental Physics

Professorial Fellow Balliol College

University of Oxford



Brian born 4th January 1954

Brian born 4th January 1954



Brian born 4th January 1954

in Crook, Co. Durham.



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G.C.E O - LEVEL

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G.C.E O - LEVEL

Queen Elizabeth College, London University 1972 – 1975; 1st Class Honours in Physics, 1975.

Dillon Prize, 1974 and Andrewes Prize, 1975 for best performance in year.



Honorary Life Member, Queen Elizabeth College Students Union 1975.

For "general contribution to college life"

Secretary of the Union Member of College Council.

Very interested in history & politics & very left wing.



"Lots of what I know about chairing meetings I learnt from the Chair of College council, Sir Hedley Atkins, a medic."

How to ensure that a meeting behaved in an orderly fashion

How to ensure that everyone felt that their opinion had been heard and taken on board

How to scan a meeting to be sure that people were ready to decide and move on

"The whole gamut of how to chair a meeting properly, which these days seems to be less and less understood

It is an art that has to be both studied and practiced."



Oxford DPhil 1978

EXAMINATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

The examiners appointed by the Board of the Faculty of Modern History give notice that H. E. JONES, Nutfield College, having submitted a thesis on 'The economic effects of the English canals. A cost benefit study of the Lea & Stort Navigation 1739–1870', will be orally examined on Monday, 16 October, at 2.30 p.m. in St. Antony's College.

> P. K. O'BRIEN T. C. BARKER Examiners

The examiners appointed by the Board of the Faculty of English Language and Literature give notice that F. E. COLMAN, Somerville College, having submitted a thesis on 'The coins of Edward the Confessor and the spelling of their inscriptions', will be orally examined on Friday, 10 November, at 2.30 p.m. in the Examination Schools.

> D. M. METCALF C. SISAM

Examiners

The examiners appointed by the Board of the Faculty of Modern History give notice that T. K. MCCULLOCH, St. Catherine's College, having submitted a thesis on 'Anglo-American economic diplomacy and the European crisis 1933–9', will be orally examined on Saturday, 18 November, at 2.15 p.m. in St. Edmund Hall

> J. P. D. DUNBABIN J. A. THOMPSON Examiners

EXAMINATIONS FOR THE DEGREE OF BACHELOR OF LETTERS

The examiners appointed by the Board of the Faculty of Literae Humaniores give notice that J. G. FARROW, Queen's College, having submitted a thesis on 'The tradition of the Trojan War in the Cypria and Dictys of Crete with reference to some later accounts', will be orally examined on Friday, 27 October, at 2 p.m. in the Queen's Room, Merton College.

> N. J. RICHARDSON M. M. WILLCOCK Examiners

The examiners appointed by the Board of the Faculty of Biological and Agricultural Sciences give notice that M. R. STUBBS, Somerville College, having submitted a thesis on 'Predatory behaviour of *Coccinella septem—punctata* in single and mixed prey situations', will be orally examined on Wednesday, 18 October, at 10.30 a.m. in the University Museum.

M. P. HASSELL G. C. VARLEY

Examiners

Three pion systems in 4.2 GeV k-p interactions

Supervisor: Pavel Grossman

Talk of Jos Engelen

EXAMINATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

76

The examiners appointed by the Board of the Faculty of Modern History give notice that H. E. JONES, Nutfield College, having submitted a thesis on 'The economic effects of the English canals. A cost benefit study of the Lea & Stort Navigation 1739–1870', will be orally examined on Monday, 16 October, at 2.30 p.m. in St. Antony's College.

> P. K. O'BRIEN T. C. BARKER Examiners

The examiners appointed by the Board of the Faculty of Physical Sciences give notice that B. FOSTER, St. John's College, having submitted a thesis on 'Three pion systems produced in $4\cdot 2$ Gev/C k-p interactions', will be orally examined on Tuesday, 17 October, at 2.30 p.m. in the Meeting Room, Department of Nuclear Physics.

K. Paler R. J. Cashmore *Examiners*

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M. P. HASSELL G. C. VARLEY Examiners Oxford University Gazette 12 October 1978

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> N. J. RICHARDSON M. M. WILLCOCK Examiners

Research Associate, Rutherford Appleton Laboratory, 1978–82; & Imperial College, 1982-84 ACNO, TASSO (see talk of Albrecht Wagner)

Lecturer, Dept. of Physics, Bristol University, 1984 – 1992; Reader 1992 – 1996; Head of Bristol Particle Physics Group, 1992 – 2003; Professor of Experimental Physics, Bristol, 1996 – 2003 (Emeritus, 2003); PPARC Lecturer Fellow 1999 – 2000 TASSO, ZEUS, SDC, BaBar (Talks of Albrecht, Mandy, Brian, Jordan)

Built the group up to be one of the strongest small groups in the country







Professor of Experimental Physics in the University of Oxford 2003 – 2016 Head of the Subdepartment of Particle Physics (PP) 2004 – 2011 Professorial Fellow of Balliol College 2003 – 2022, now Emeritus Donald H. Perkins Professor of Experimental Physics, 2016 – 2022, now Emeritus

Architect of the John Adams Institute for Accelerator Science



John Adams Institute for Accelerator Science

Centre of excellence in the UK for advanced and novel accelerator technology

About the John Adams Institute 🗸	Discover Events Seminars News Research \bullet Training \bullet Thesis Vacancies Application	ns Collaborations Appeal
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Contacts	accelerator technology. The Institute provides expertise and training in accelerator techniques, participates in	
History	research and development, and promotes advanced accelerator applications in science and society at large.	Oxford Physics
More Information		Student Wins Prestigious
Sir John Adams		Gibbs Prize for MPhys
What the Adams Institute Does		Project
		26 August 2024
		Congratulations to Thomas Fogg
		on this outstanding
		achievement!
		Corey Lehmann
		awarded the John Adams
		Prize

Q

22 July 2024 The first-year graduate

student worked

on Beam Loss

You can <u>learn more</u> about the history of the JAI or find out<u>what the JAI does</u>, or visit JAI pages at <u>Royal Holloway</u>, <u>University of London</u> or <u>Imperial College London</u>.

I. Shipsey FosterFest 11-9-24

Introduced biweekly PP Executive Committee management meetings in their current form

Chaired PP Graduate Studies Committee, which coordinated teaching of particle physics to experimental graduate students (involved both PP & Theory subdepartments.)

Responsible for the well-being & academic progress of around 50 - 60 PP graduate students.

Supervised the admissions process & interviewed all prospective D. Phil. students before entry

These practices have been followed ever since.



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Responsible for the well-being & academic progress of around 50 - 60 PP graduate students.

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PP biggest contributor of overhead to Oxford Physics when Brian arrived, dropped to average by the time he left.



Max Born Medal & Prize 2003 IOP & DPG



OBE



FRS





News and resources

About us

合 / Fellows Directory

Professor Brian Foster OBE FRS

Brian Foster is known for his pioneering work in high-energy particle physics. In particular, Brian has made major contributions to the study of elementary particles such as heavy quarks and leptons. He is a leader in the development and analysis of electron–positron and electron–proton colliders.

For four years, he led the **ZEUS** collaboration of 400 physicists working in Hamburg, Germany. Since 2005, he has been European Director of the global design effort for the International Linear Collider — a next-generation particle collider that is set to unlock the secrets of our Universe. He is currently European Director of the Linear Collider Collaboration.

Brian is a firm believer in popularising physics. In addition to writing widely in newspapers and magazines, he presents the lecture series 'Einstein's Universe' and 'Superstrings', which combine his love of science and music. Together with Suzie Sheey, he proposed the 'Accelerate!' live-action lecture about particle physics for younger children, which he has now transferred to Germany. In 2003, he was awarded an OBE for services to research on particle physics.

Professional position

- , Department of Physics, University of Oxford
- Alexander von Humboldt Professor, Deutsches Elektronen-Synchrontron (DESY), Universität Hamburg
- Emeritus Professor of Experimental Physics, School of Physics, University of Bristol

Subject groups

• Astronomy and physics Elementary particle physics







Membership

Explore physics

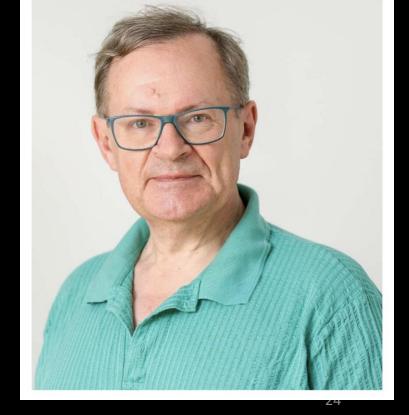
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Culture, history and society

Honorary Fellows: Professor Brian Foster

For his leadership of experimental particle physics internationally and, in the United Kingdom, for the promotion of physics both by novel public engagement and high-level involvement in learned society activities.

HonFInstP (2020)



Humboldt Research Prize 1999 Humboldt Research Professorship 2011 at University of Hamburg/DESY on leave of absence from Oxford.

ZEUS, ILC, FLASHForward, HALHF

(see Plasma Accelerators and Compact Colliders talk of Carl Lindstrøm)

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5 8

Home / About DESY / Lead Scientists MISSION AND GUIDING PRINCIPLES **Brian Foster** Particle Physics and Accelerator Technologies Brian Foster is Alexander von Humboldt Professor at the University of

Hamburg and leading scientist at DESY. He is carrying out three major research topics: Deep Inelastic Scattering (DIS) at the ZEUS experiment at HERA; the International Linear collider, of which he was European Director; and new methods of acceleration, principally plasma wave

acceleration.

In ZEUS he and his group are mostly working on the combination of the final H1 and ZEUS DIS data and the production of heavy c and b quarks. The ILC uses superconducting high frequency Niobium cavities; Foster's group is working on methods of increasing their performance, for example by nitrogen doping. In plasma-wave acceleration, Foster's group is working in the FLASHForward experiment, a new beam line at FLASH which promises to enable unique experiments. Foster is the Spokesman of a Helmholtz Virtual Institute in this research area. He is also a Fellow of the Royal Society.

Contact
Brian Foster
T. +49 (0)40 8998 3201
E. brian.foster@desy.de

Personal homepage

Publications in INSPIRE

Change theme

ORGANISATION DIRECTORATE LEAD SCIENTISTS Saša Bajt **Riccardo Bartolini Ties Behnke David Berge** Freya Blekman

Kerstin Borras Martin Burger Wilfried Buchmüller

Francesca Calegari Henry Chapman

Christophe Grojean Markus Gühr

Elisabetta Gallo Ingrid-Maria Gregor

Cigdem Issever Franz X. Kärtner

Marek Kowalski Jochen Küpper

Meytal Landau

Joachim Mnich

Philipp Neumann

Krisztian Peters Martin Pohl

Harald Reichert

Nina Rohringer

Kai Rossnagel

Stephan Roth

Robin Santra

Melanie Schnell

Volker Schomerus

Klaus Mönig

Rafael Porto

Andreas R. Maier

DESY

DESY.

THE ROYAL SOCIETY

Member of SC2 – a key role in electing new PP Fellows Council member Vice-President - established electronic voting on new Fellows! Got an important report on "Greenhouse Gas Removal" ISBN: 978-1-78252-349-9 through the hurdles. Much government advice given Many foreign delegations entertained Member, RS Public Engagement Committee Member of the Research Community of Interest Founder member of the International Committee

26

Role in external things in pp

- (talk of Ian Halliday Science Government & Brian)

Organising the response to the Kendrew Report on CERN Founding the IoP HEPP group Chairing the IoP Nuclear and Particle Physics Division Member of IoP Council Honorary Fellow IoP

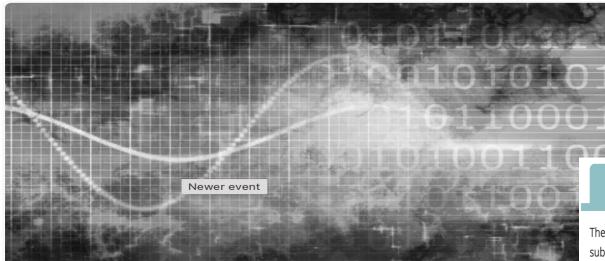
Member of LHCC in its earliest days, Chief Referee for LHCb. Chair of ECFA (2002-2005), which led to European Director of ILC (talk of Barry) sometimes acting as CERN Council delegate for Ken Pounds as CEO of PPARC Scientific Council of DESY Currently Chair of CEPC IAC

Einstein's Violin (Jack Liebeck)

Brian & the REF



Ian Shipsey, Head Oxford Physics



Research Impact: Evidencing the REF

🛗 14-07-2015

O8:30 - 13:30

♥ King's House Conference Centre, Manchester

View

OVERVIEW

The Research Excellence Framework (REF) was introduced to assess the quality of research in UK higher education institutions. Almost two thousand submissions were made in 2014 involving over fifty thousand academic staff, over one hundred and ninety research outputs, and close to seven thousand impact case studies. The results certainly demonstrated the high quality and enhanced international standing of UK research, 22% of outputs were judged world-leading and a further 50% were judged internationally excellent. The UK funding bodies will use these assessment outcomes to inform decisions on the allocation of research funding. How will the first REF assessment process inform future submissions? How can institutions benchmark outcomes from assessments and drive the quality of submissions?

For the first time there was an emphasis on impact beyond academia that was included to demonstrate the wider benefits of research. The expert panel found that there were impressive impacts found across all disciplines, with submissions of all sizes and from many diverse UK universities. Assessors concluded 44% of impacts were judged to be outstanding and a further 40% were judged to be considerable. How can universities best evidence impact for the REF in 2015 and beyond across the economy, health, the environment, culture, public policy and services?

Join us at Research Impact: Evidencing the REF to learn how to improve REF submissions and help to build evidence for ongoing impact assessment.

VIEW ALL SPEAKERS



Zetland Group Limited











FRANK BRUNO MBE

Former Heavyweight Champion of the World https://lsst-uk.atlassian.net pages/3221323814 user



JONATHAN FOSTER

Managing Director

Zetland Group Limited



BRIAN FOSTER

Professor of Physics

Oxford University



ANDY BURNHAM

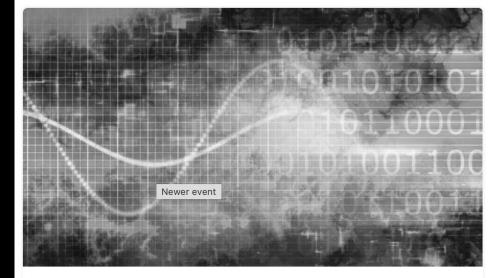
Mayor

Greater Manchester



FRANK BRUNO MBE

Former Heavyweight Champion of the World https://lsst-uk.atlassian.net pages/3221323814 user



Research Impact: Evidencing the REF

🛗 14-07-2015

() 08:30 - 13:30

• King's House Conference Centre, Manchester

View

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VIEW ALL SPEAKERS

CONFIRMED SPEAKERS



PROFESSOR JONATHAN GRANT

Director of the Policy Institute, King's College London



LUKE GEORGHIOU

Vice-President for Research and Innovation, University of Manchester



SIMON TANNER

Pro Vice Dean for Research Impact and Innovation, Faculty of Arts and Humanities, King's

Collogo London



BRIAN FOSTER

Professor of Experimental Physics, University of Oxford



AARON PORTER

Governor, Goldsmiths University of London



DR CATRIONA MANVILLE

Senior Analyst, RAND Europe



Research Impact: the REF

Fest!



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🛗 14-07-2015

- **O** 08:30 13:30
- King's House Conference Centre, Manchester

osterFest 11-9-24

Department		
The Cavendish La	boratory	REF2021 PHYSICS
Home About 🗸 News	\sim Ray Dolby Centre \sim Research \sim Student Information \sim	People \checkmark Intranet \checkmark Supporting Physics Jobs \checkmark
Contacts 🗸		
		n in Physics and Astronomy recognised
Department of Physics	in REF 2021	
News		
About		
Ray Dolby Centre		the second s
Research		
Student Information Submitted by Pooja Pandey	on Thu, 12/05/2022 - 16:55	

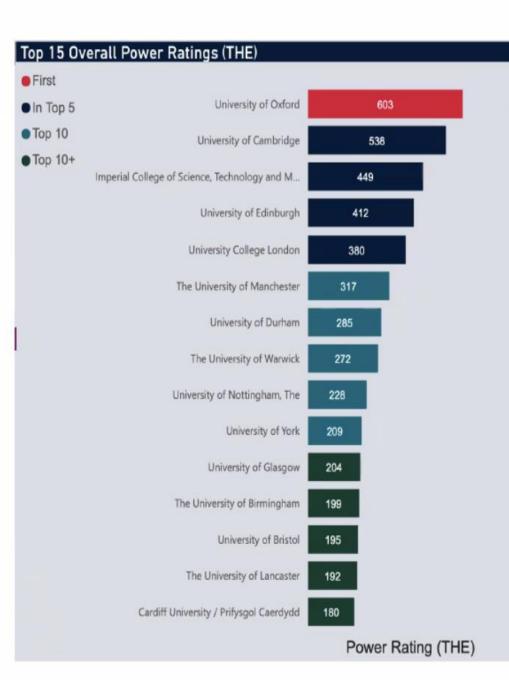
The results from the latest Research Excellence Framework (REF) have highlighted the global impact of Cambridge's research in the field of Physics and Astronomy.

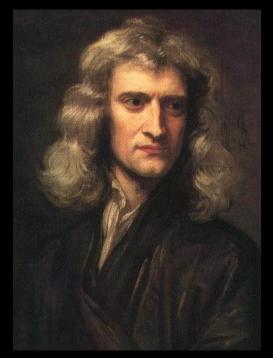
99% of Cambridge's overall submissions within the Physics and Astronomy Unit of Assessment – to which our departments made a significant contribution – have been rated as 'world leading' or 'internationally excellent', demonstrating the major impact that researchers in our departments are making every day. The Times Higher Education's rankings placed Cambridge at #2 for Physics and Astronomy in REF 2021 as measured by "research power". This metric includes both the volume and quality of the research.

LINIONNER Statement, alighed with DDI and the City Deal.

UK Government Assessment of UK Physics Departments 2022

¢ Institution	÷ FTE entered	≎ GPA	\$ GPA 2014	≑ Rank 2014	Research power (indexed)	RP rank	Market share (%)
University of Oxford	171	3.52	3.34	2	1000	1	8.6
University of Cambridge	148	3.63	3.29	=7	892	2	8.14
Imperial College London	130	3.45	3.26	10	744	3	5.97
University of Edinburgh	118	3.49	3.33	=3	683	4	5.6
UCL	113	3.38	3.12	=16	631	5	4.72





"What we know is a droplet, what we don't know is an Ocean" *Sir Isaac Newton (1643-1727)*

The ocean is for all of us and future generations to explore.



Stopping working so hard would be my plan for the next two decades although I am not sure I want to be around that long! Still, Herwig Schopper is a role model here. Stopping working so hard would be my plan for the next two decades although I am not sure I want to be around that long!

The ocean is for all of us and especially future generations to explore.

Brian has played a key leadership role in particle physics for more than four decades

And this will continue well into his retirement